

**FIG. 1**

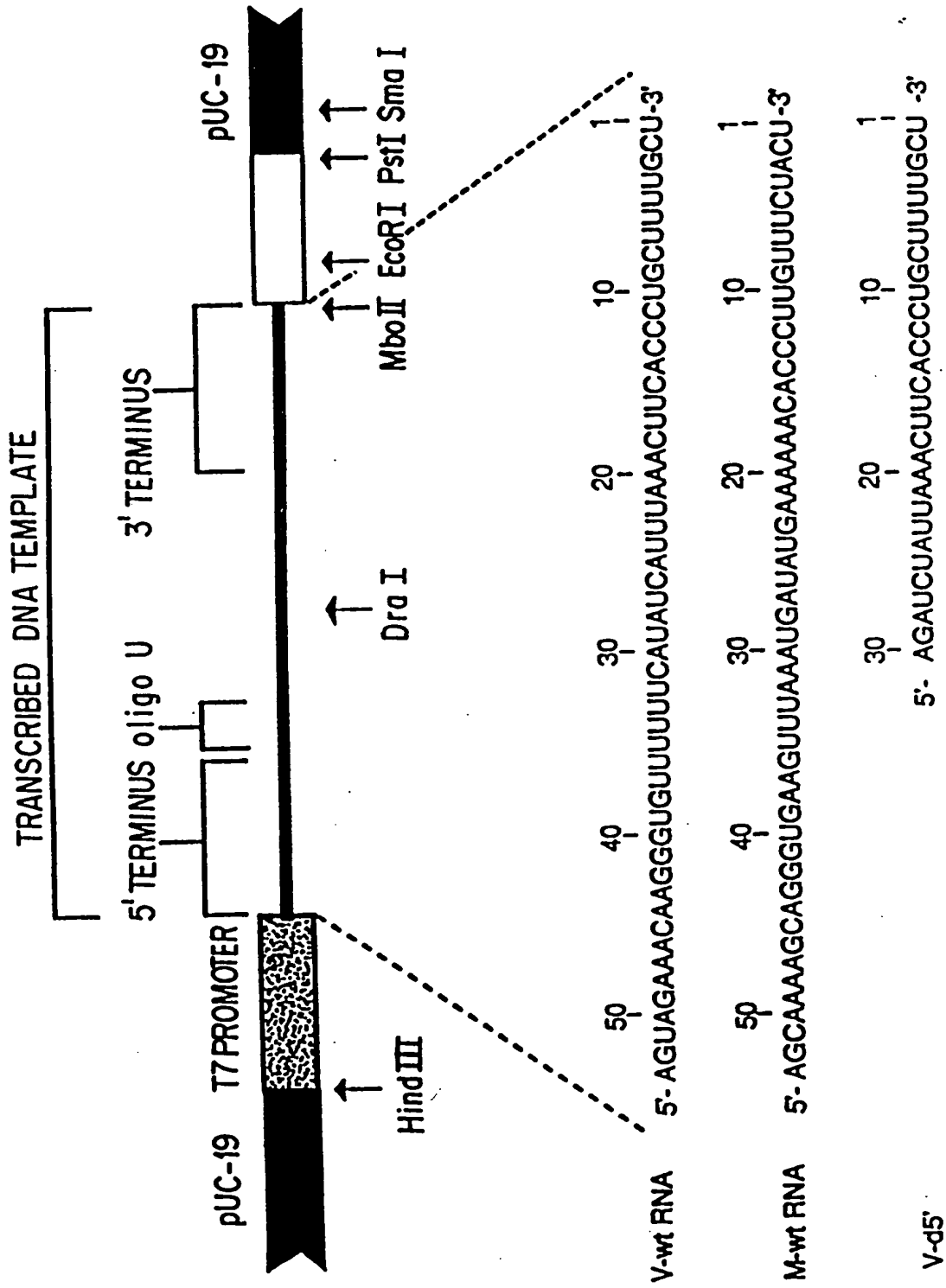


FIG. 2

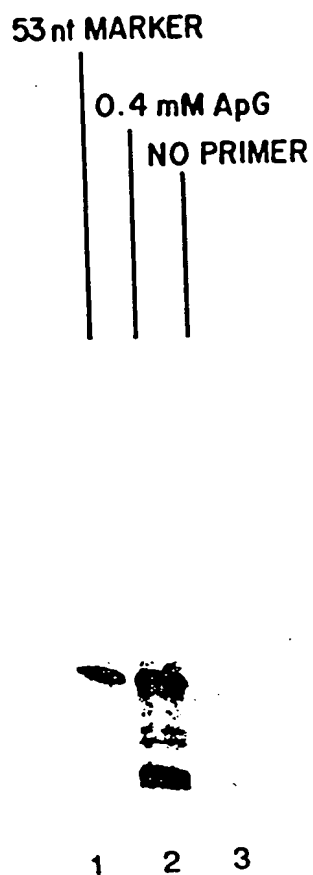


FIG. 3A

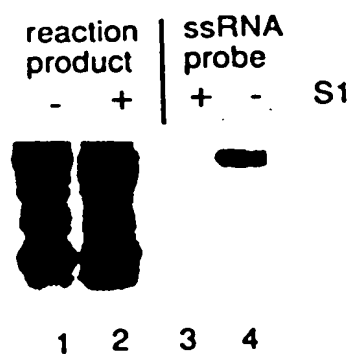


FIG. 3B

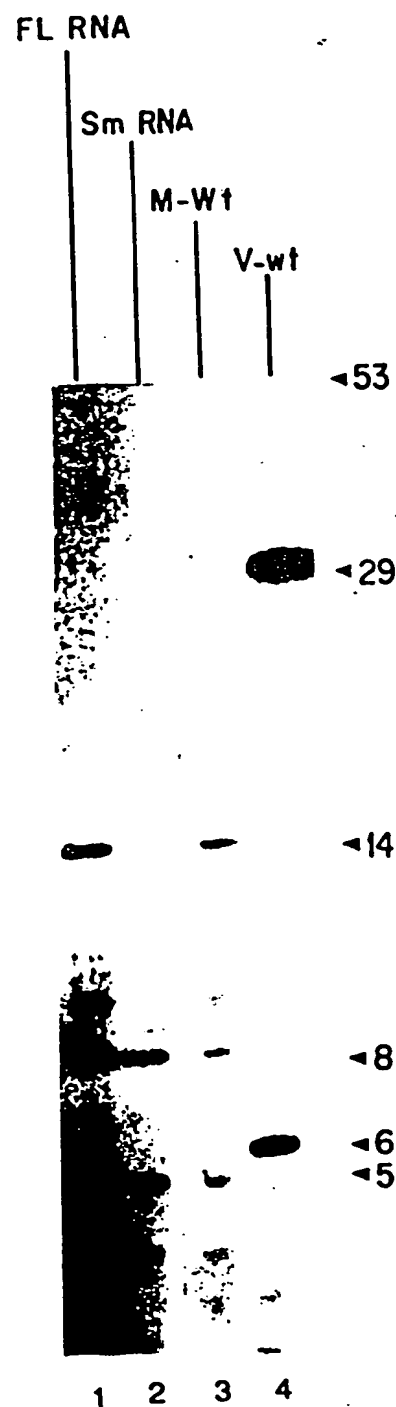


FIG. 3C

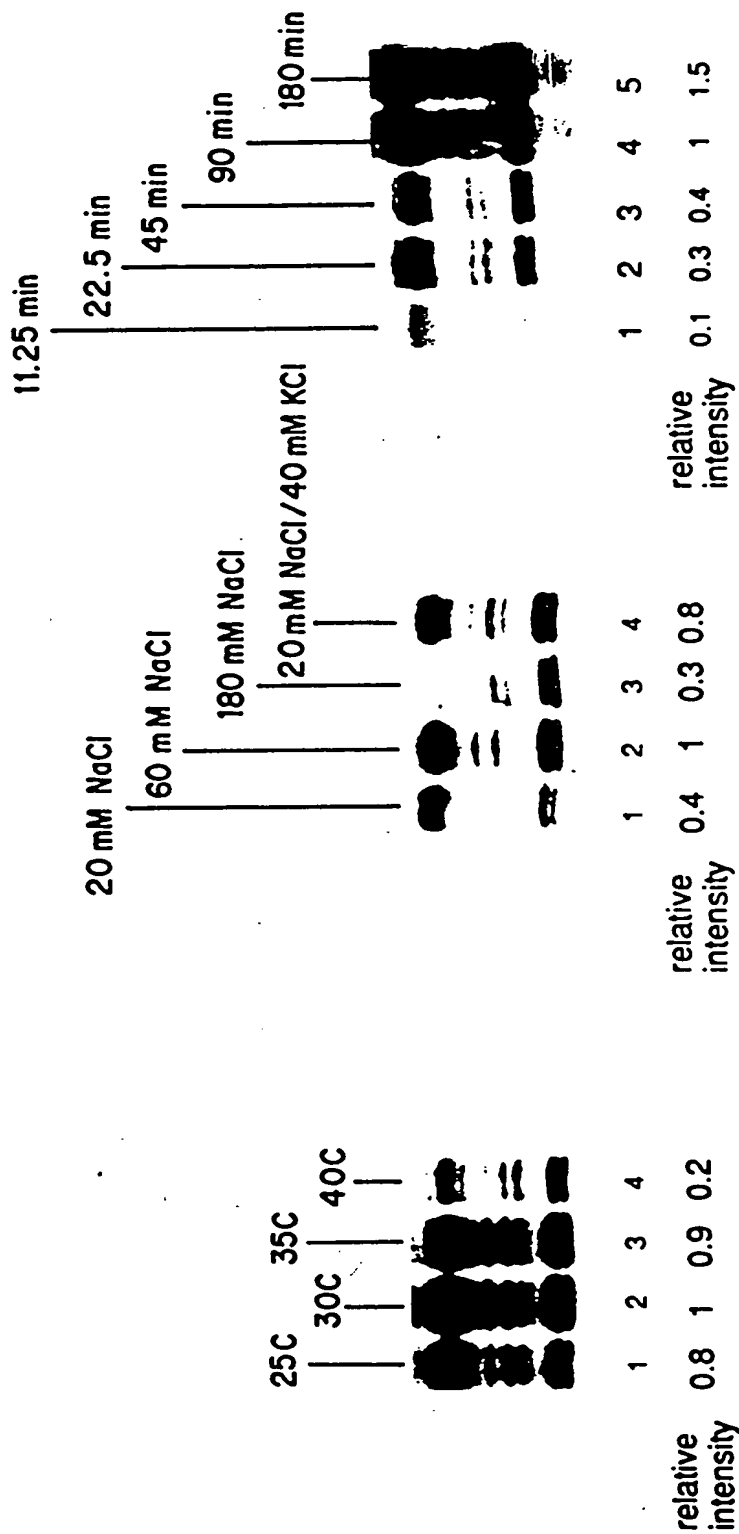
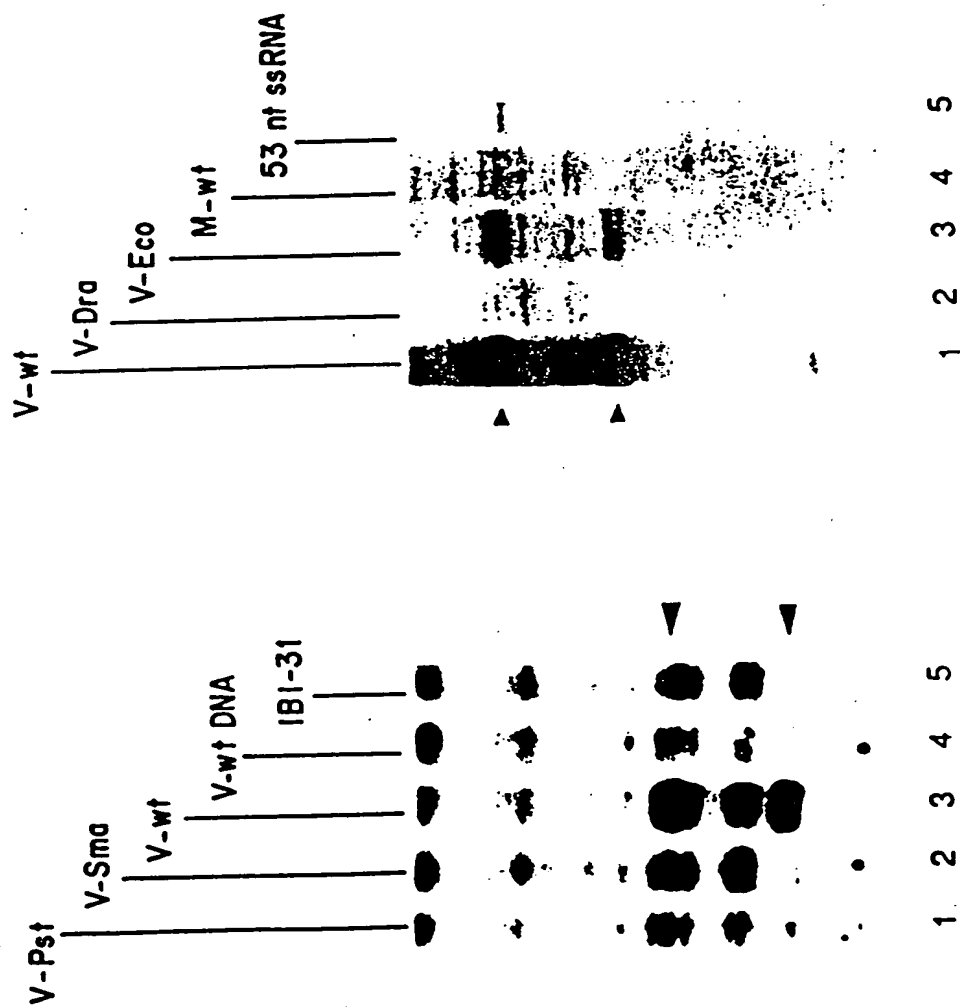


FIG. 4A

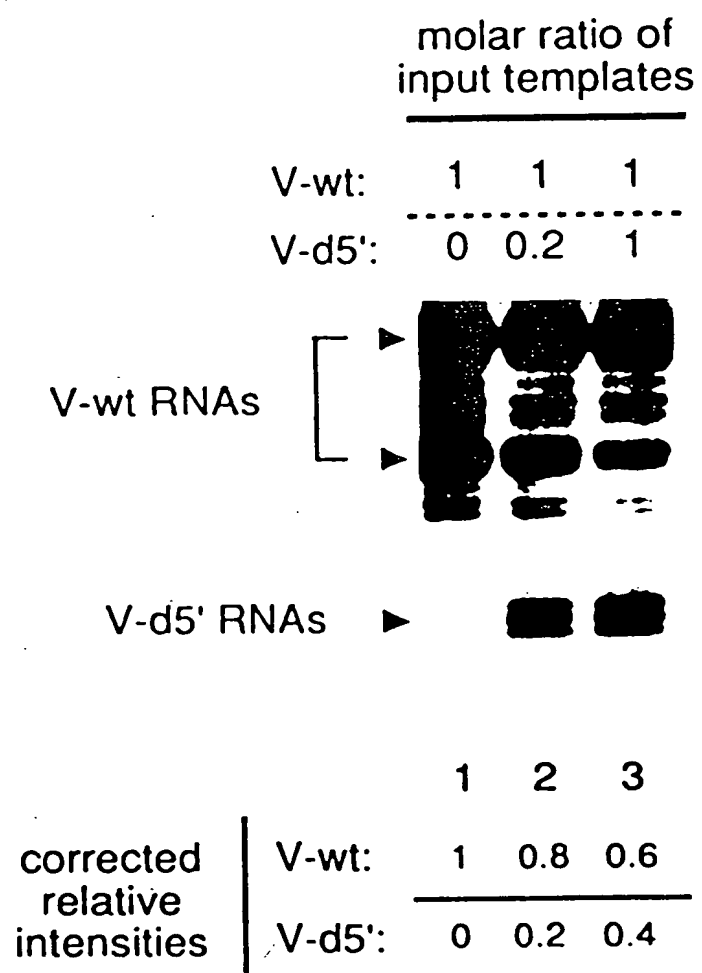
FIG. 4B

FIG. 4C



**FIG. 5A**

**FIG. 5B**



**FIG. 6**

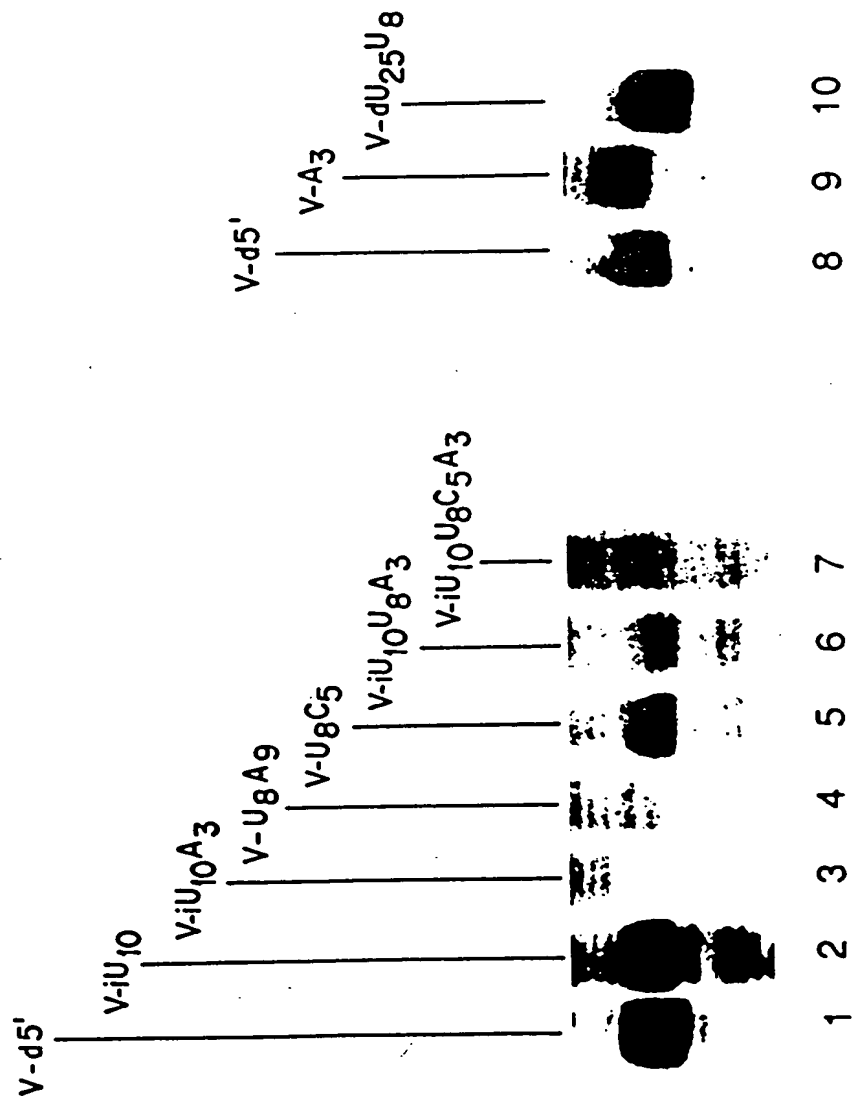


FIG. 7

# <sup>32</sup>P 30 nt TEMPLATE

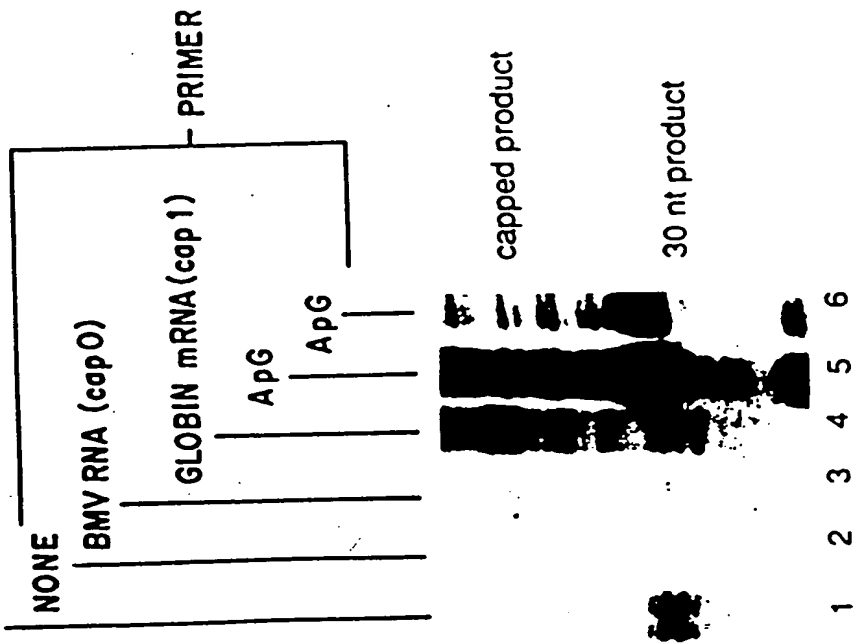


FIG. 8A

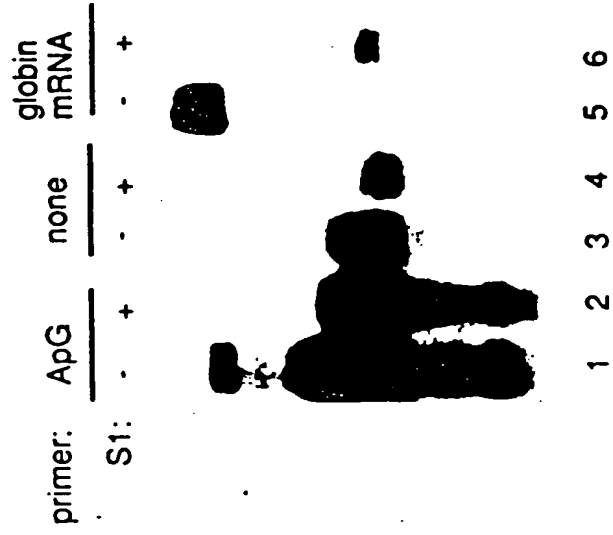


FIG. 8B



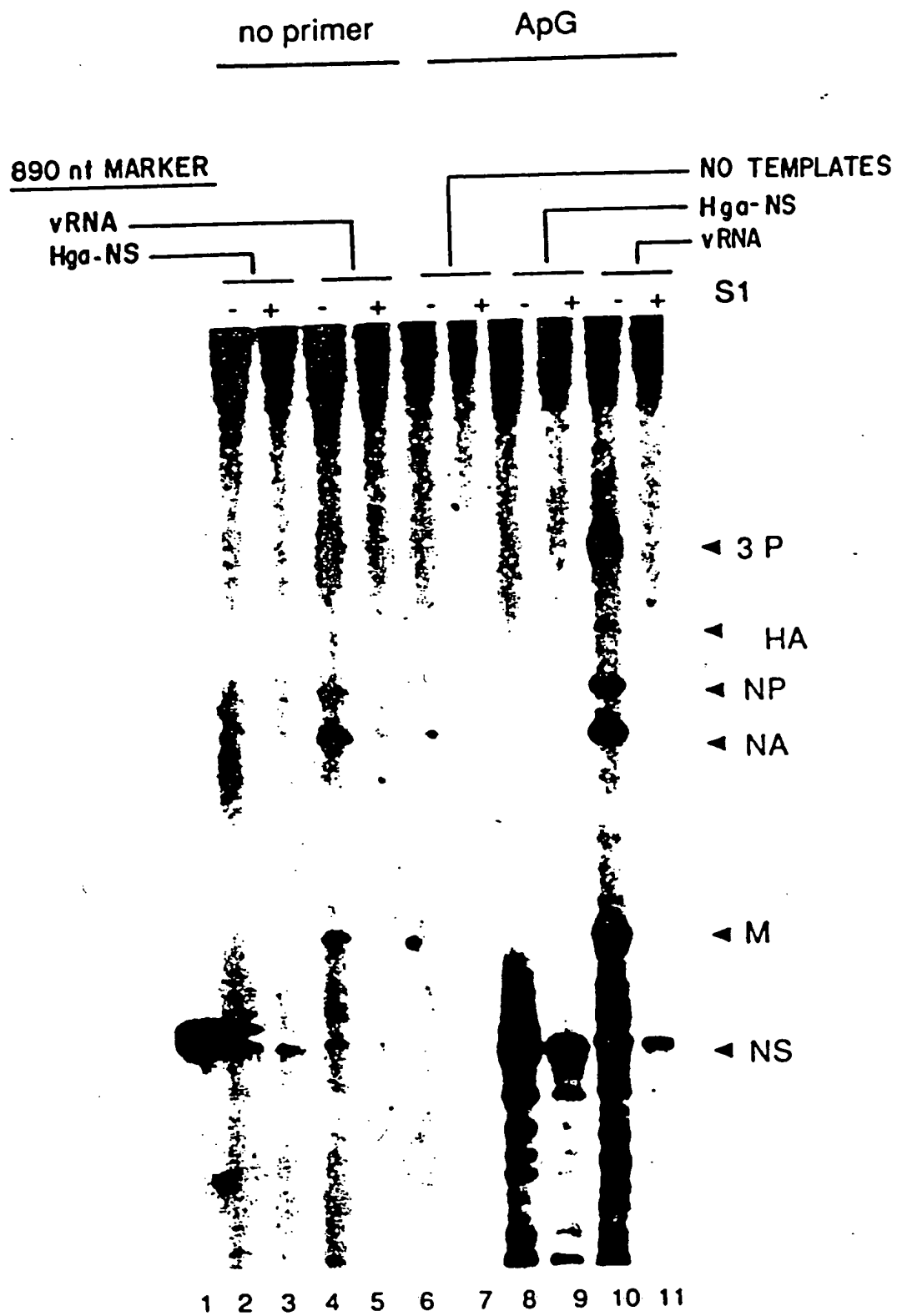
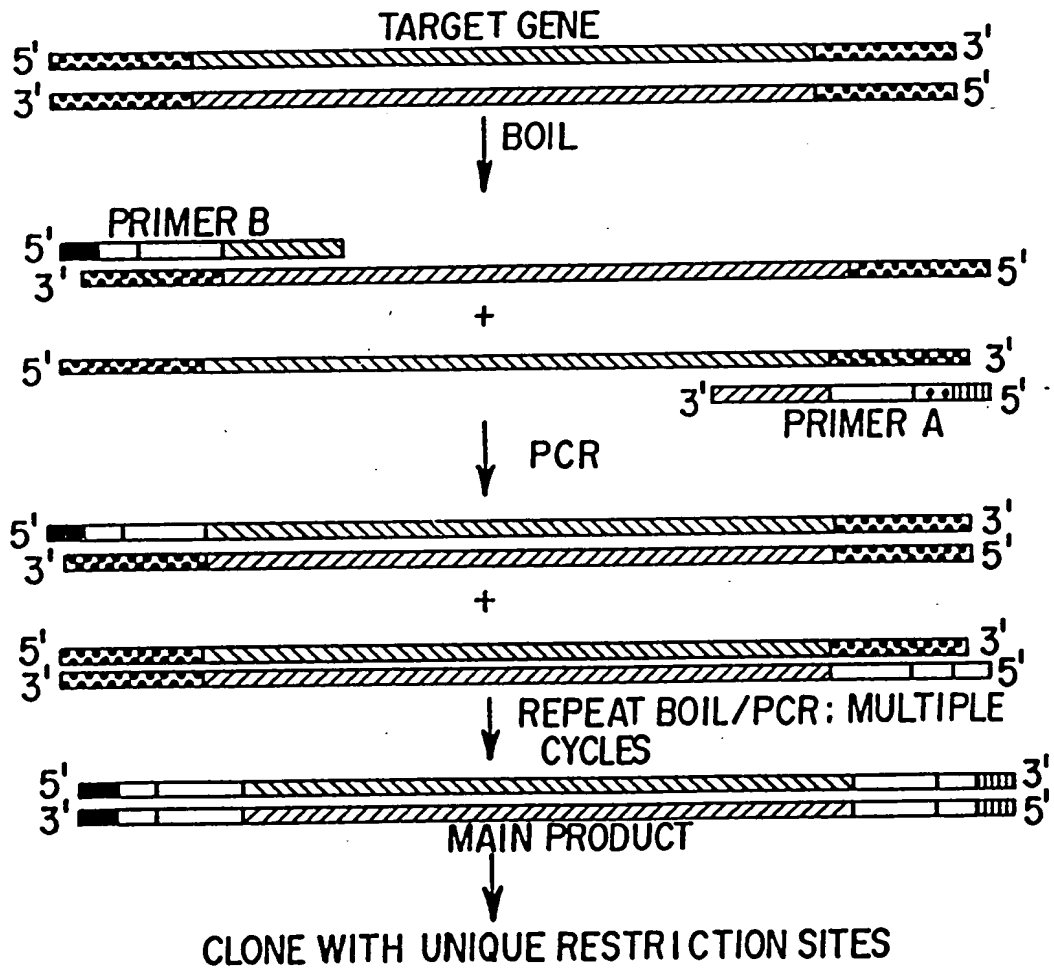


FIG. 9

# FIG. 10



FLANKING SEQUENCE	PHAGE PROMOTER
;  UNIQUE RESTRICTION SITES	VIRAL SEQUENCE (5' OR 3')
;  TARGET GENE SEQUENCE	CLASS IIS SITE

FIG. 11A

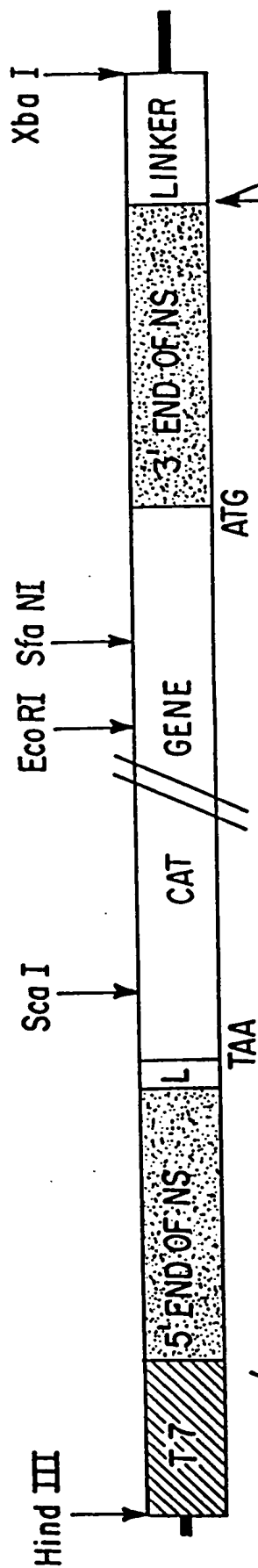
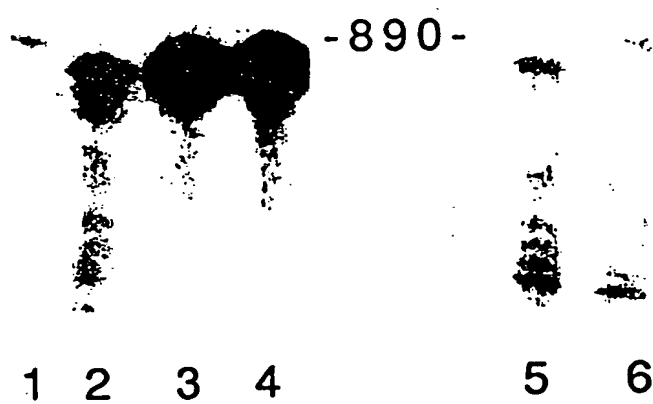
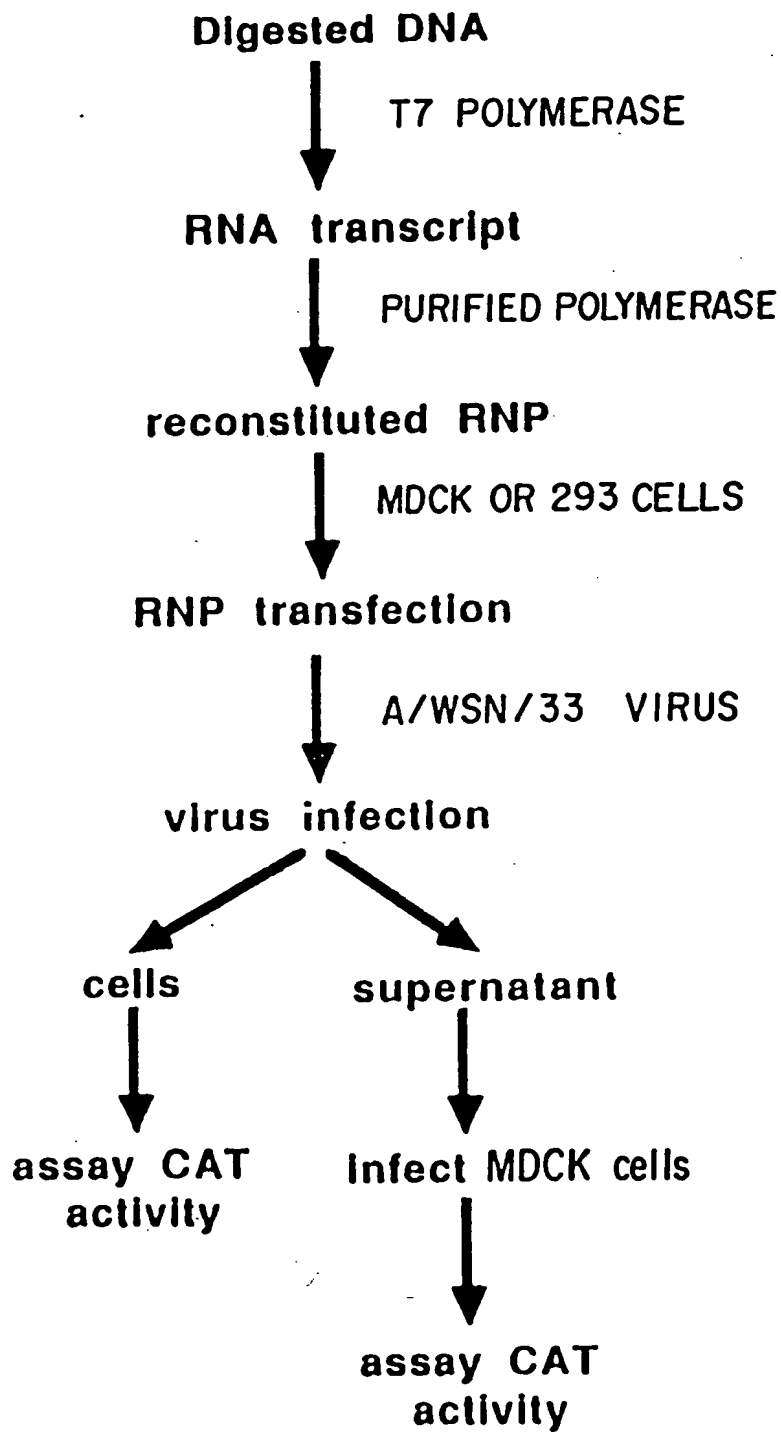


FIG. 11B

5' AGUAGAAACAAGGUGUUUU CAGAU CUA UUACGCCCCGCCC // GUGGUUAUACCCAGUGAUUUUUUUCUCCAU UAUGUCUUUUGUCACCCUGCUUUUGCU 3'

**FIG. 12**





**FIG. 13**

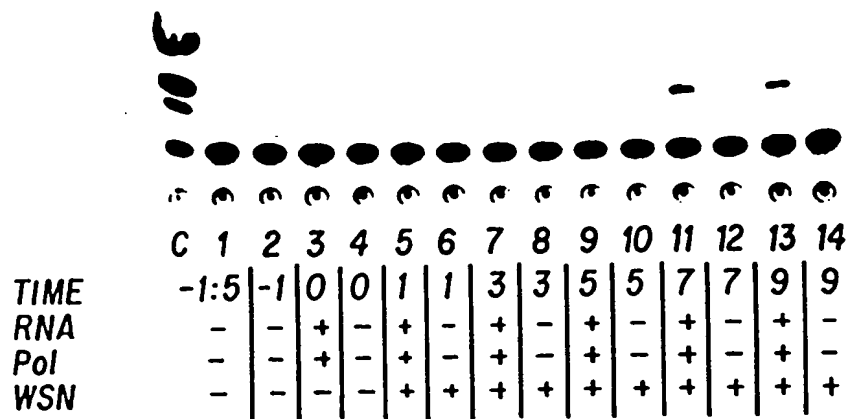


FIG.14A

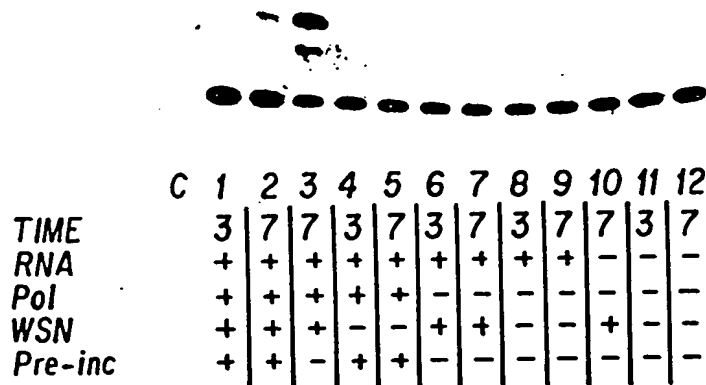
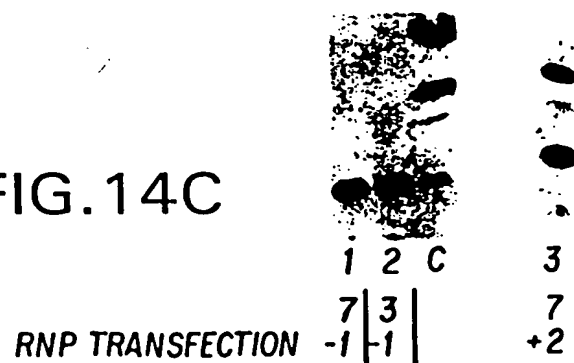
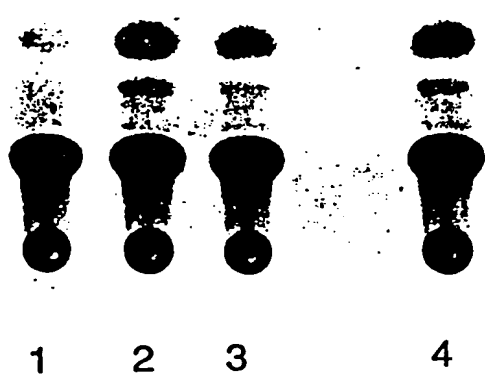


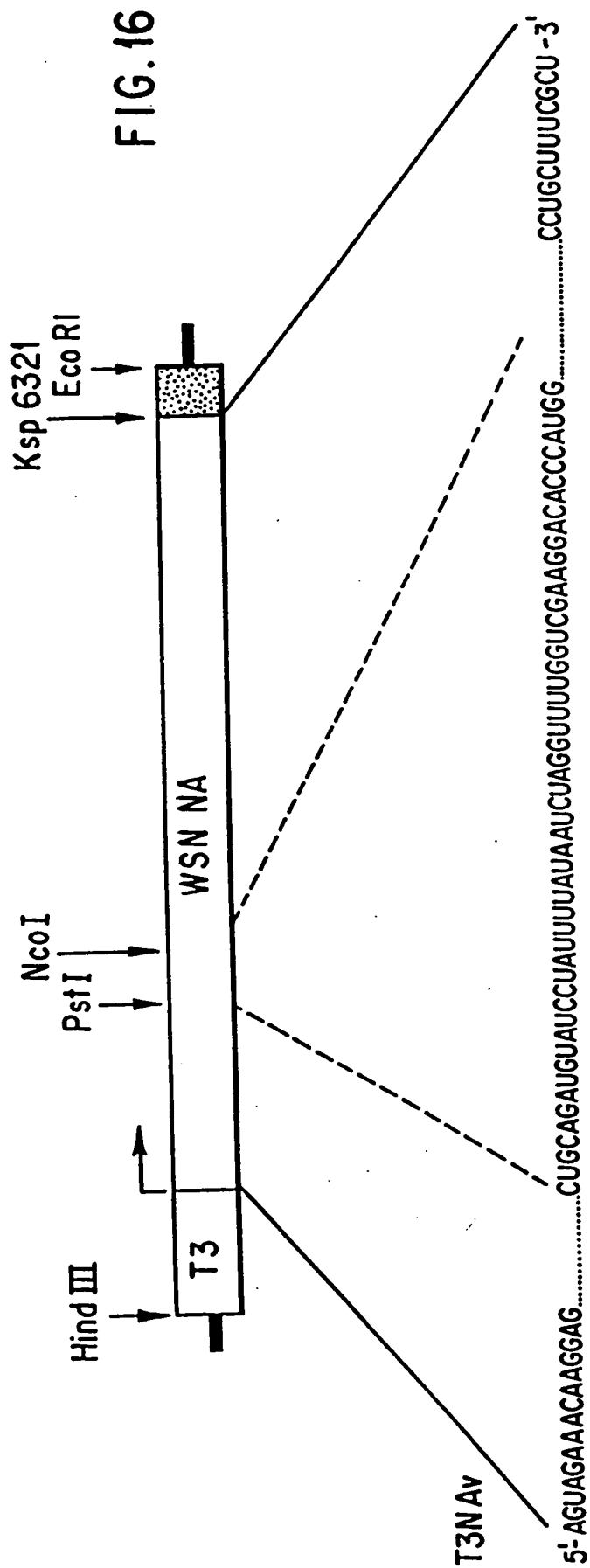
FIG.14B

FIG.14C



**FIG. 15**



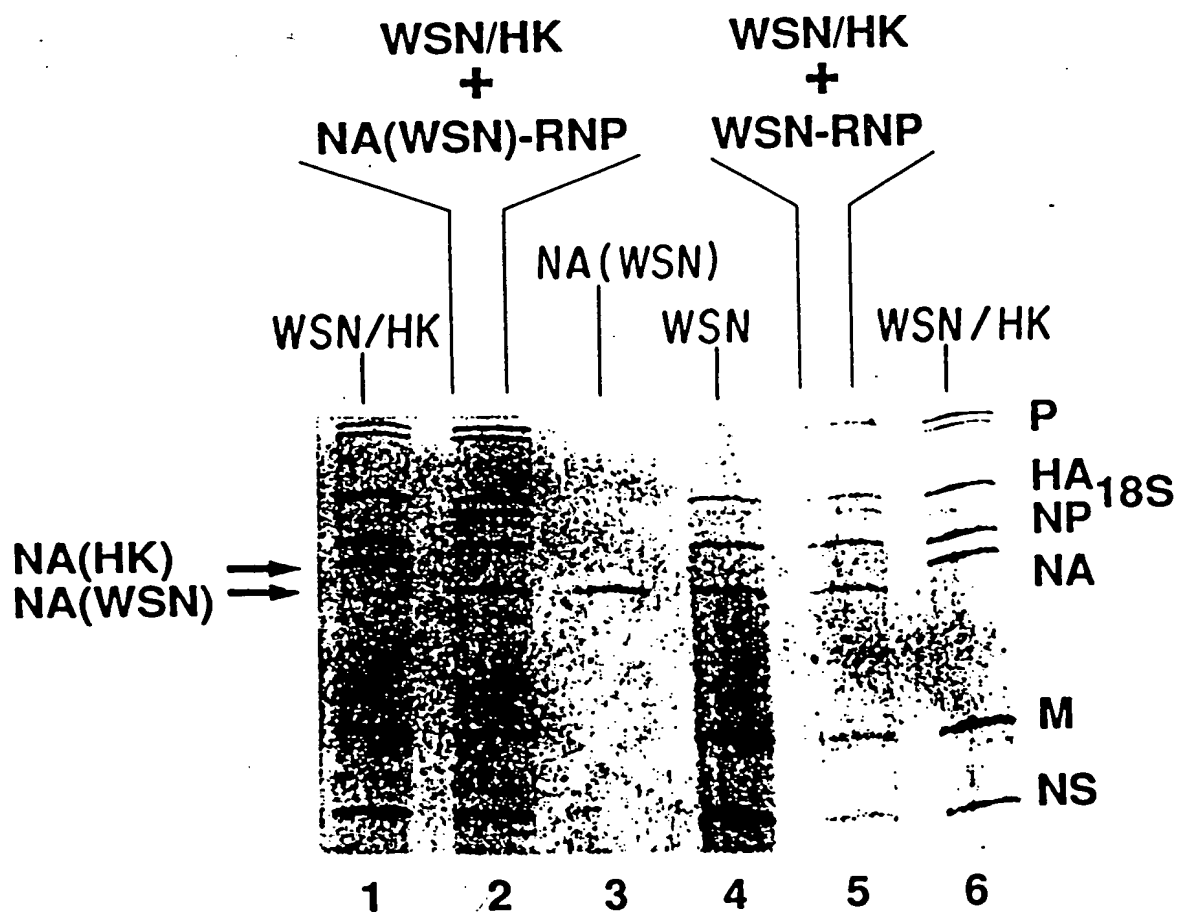


T3NAv mut1  
 5'-AGUAGAAACAAGGAG.....CUGCAGUAUGUAUCCUAUUUUUAUAUCUAGGUUUUUGGUCGAAGGACACCCAUGG.....CCUGCUUUCGCU-3'

Δ

T3NAv mut2  
 5'-AGUAGAAACAAGGAG.....CUGCAGUAUGUAUCCUAUUUUUAUAUCUAGGUUUUUGGUCGAAGGACACCCAUGG.....CCUGCUUUCGCU-3'

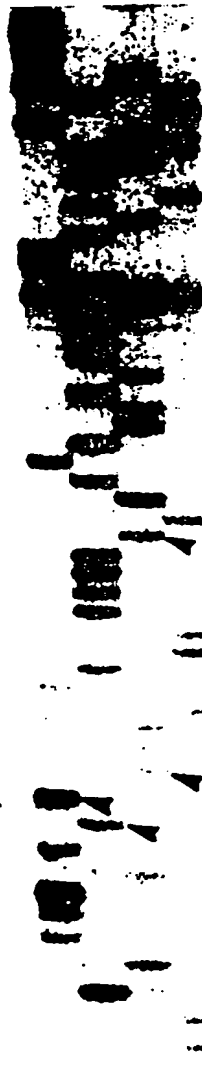
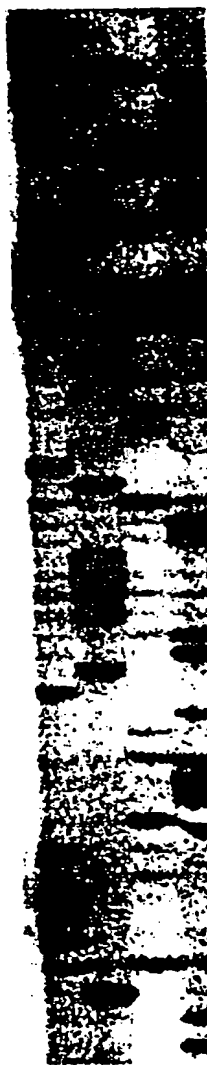




**FIG. 17**

GATC

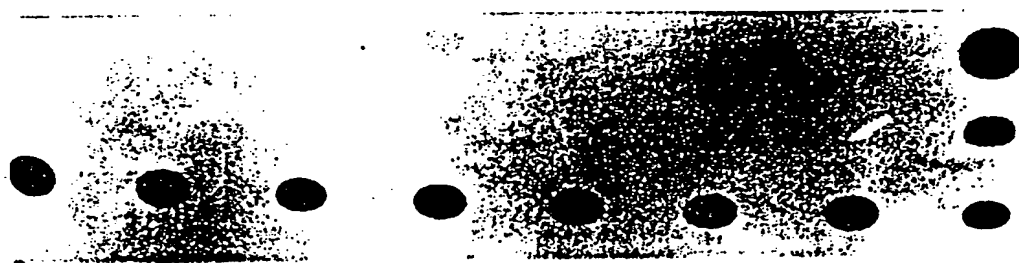
GATC



CAG  
ATΔTG  
GATAC  
AATAG  
TATAA  
TAGAT  
AAATC  
GACCA  
GTTTC  
GGTGA  
CCATG

FIG. 18

FIG.19



1	2	3	4	5	6	7	8
C	NAKED RNA	NO VIRUS	INF. VIRUS	PB2	PB2 PB1	PB2 PB1 PA	PB2 PB1 PA NP
	NO VIRUS						



9	10	11
PB2 PA NP	PB2 PB1 PA NP	PB1 PA NP

FIG.20A

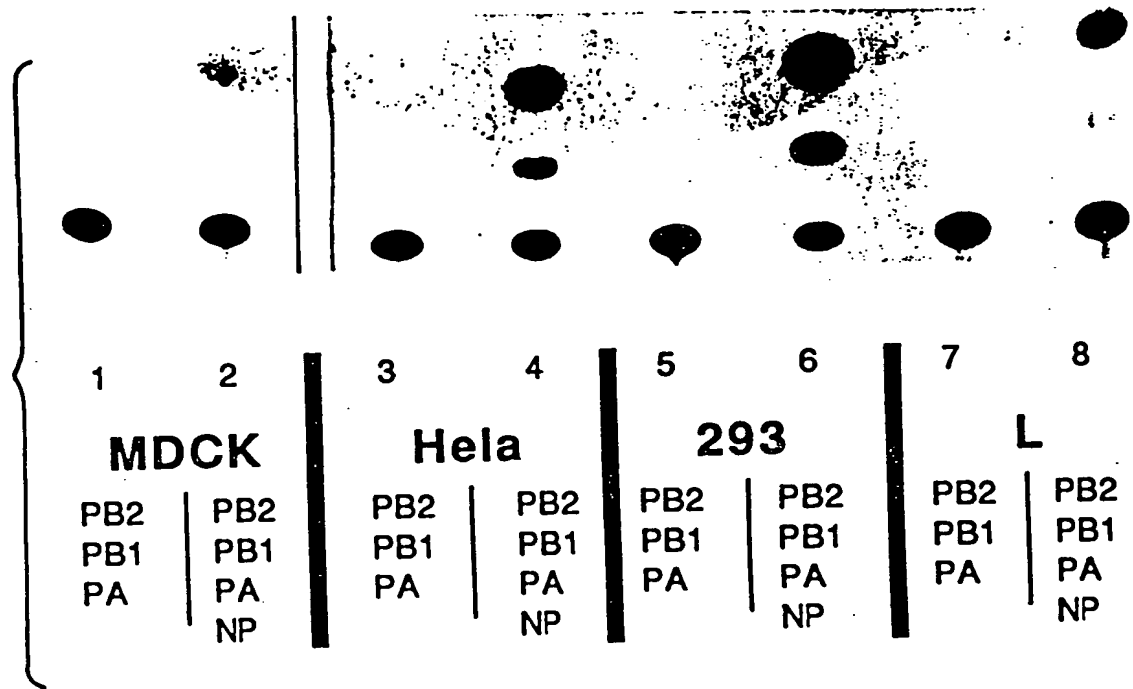


FIG.20B

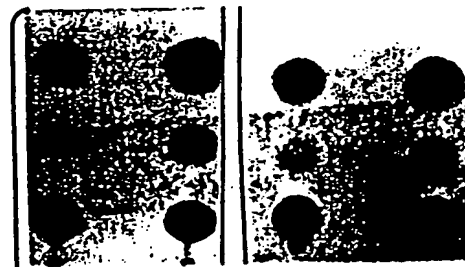


FIG.20C

FIG.20C

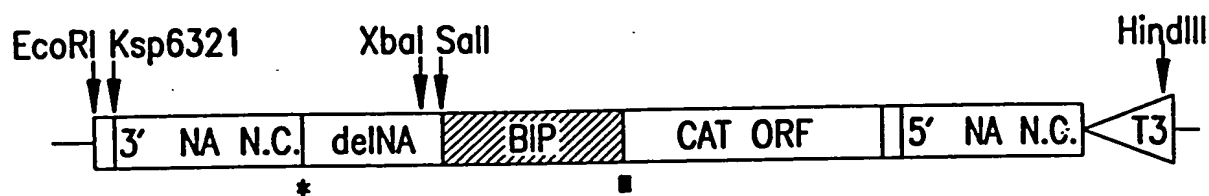


FIG.21A

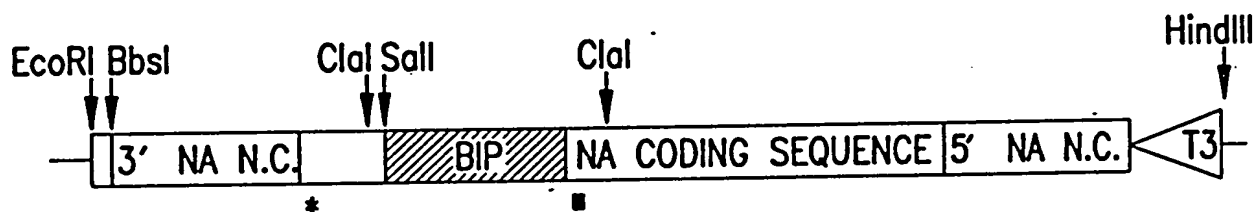


FIG.21B

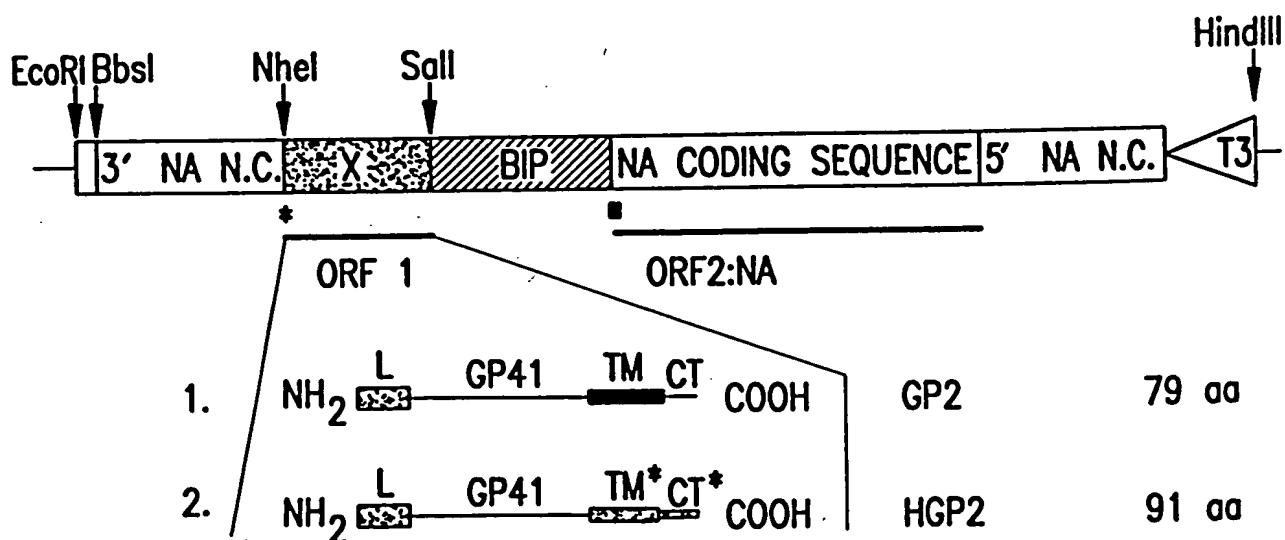


FIG.21C

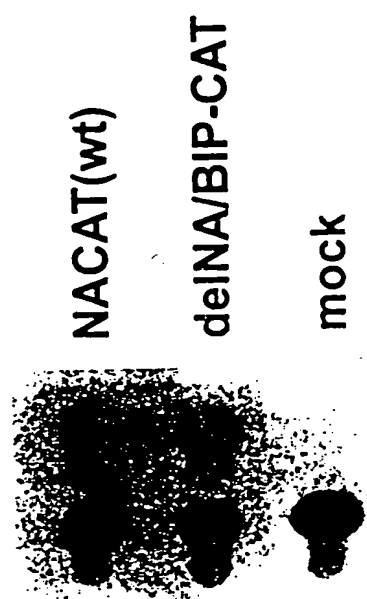


FIG.22

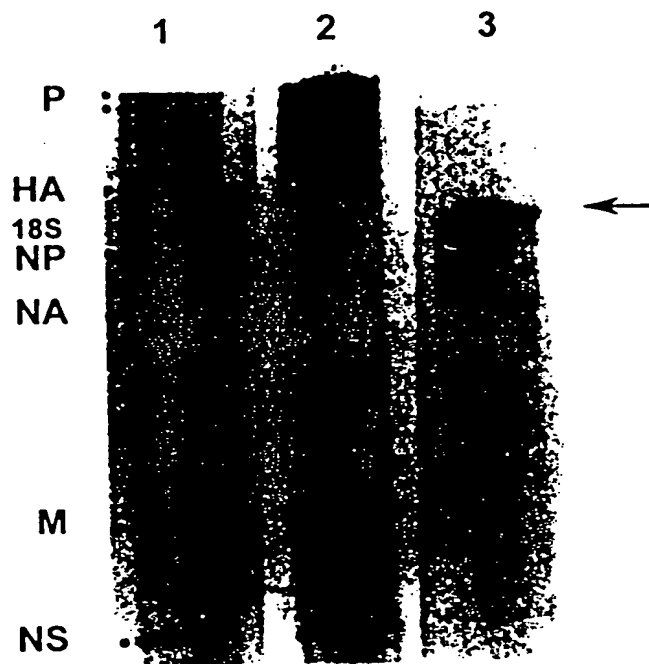


FIG.23

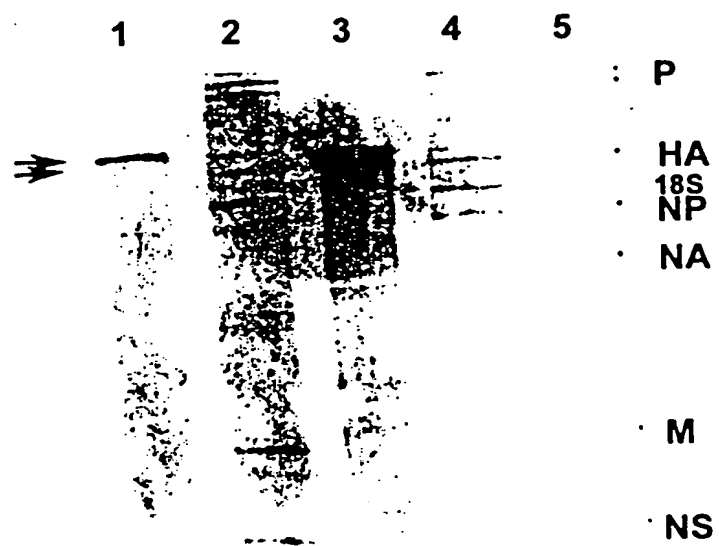


FIG.24



FIG.25A

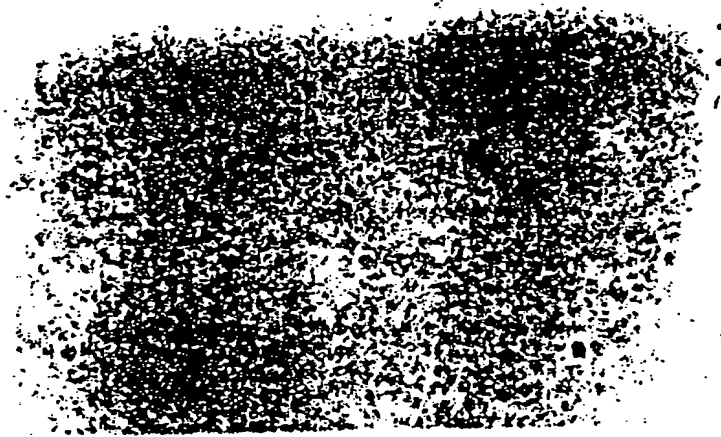


FIG.25B

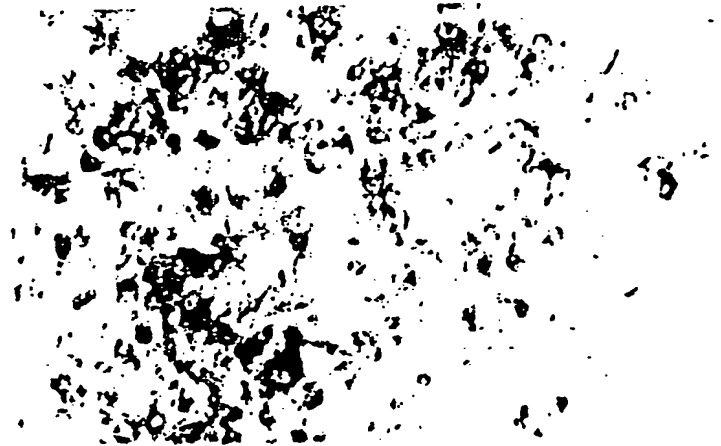


FIG.25C



1 2 3

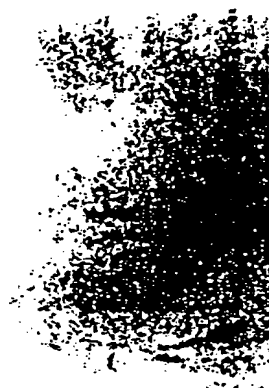


FIG.26A

1 2 3

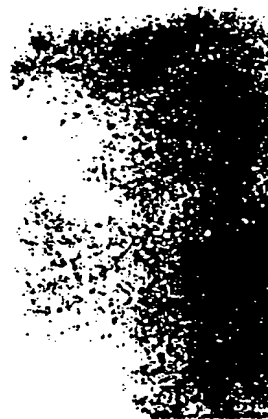


FIG.26B

-30,000

-20,000

-14,400